

FIG. 1a

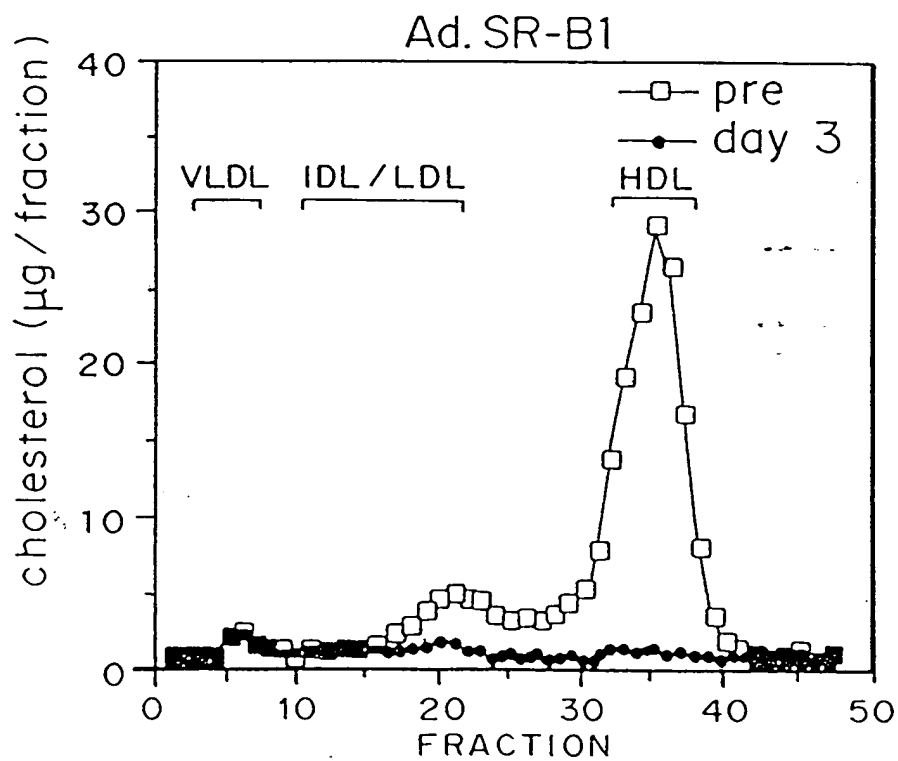


FIG. 1b

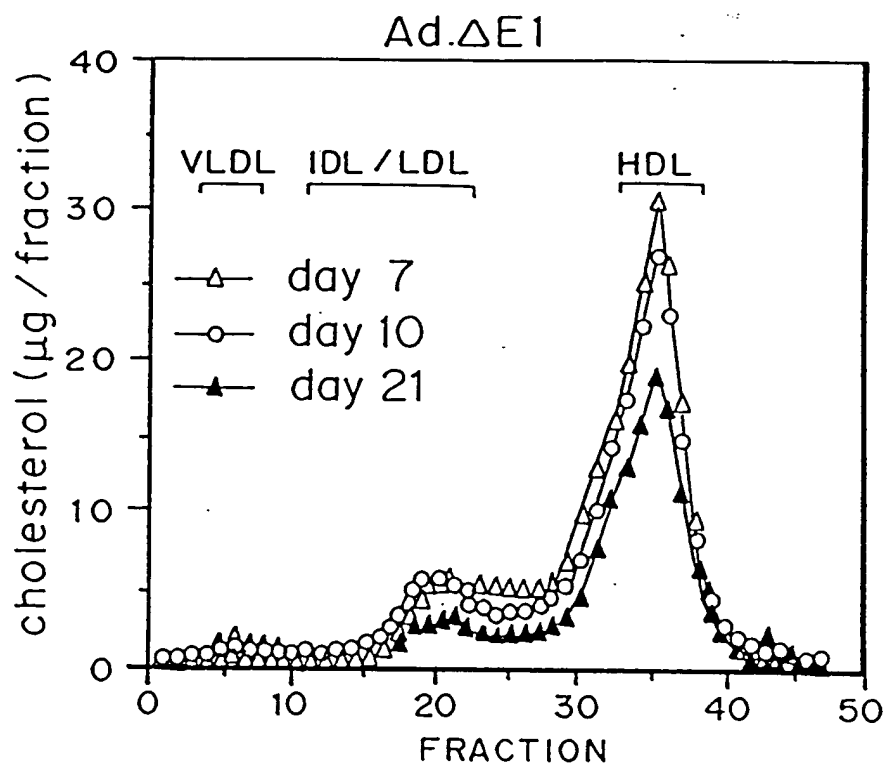


FIG. 1c

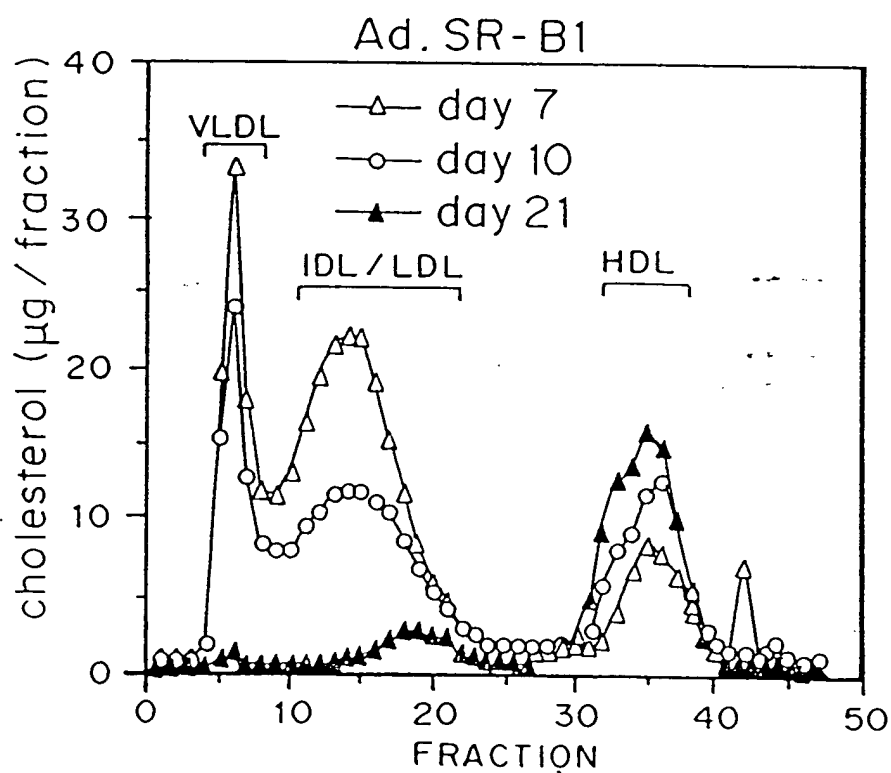


FIG. 1d

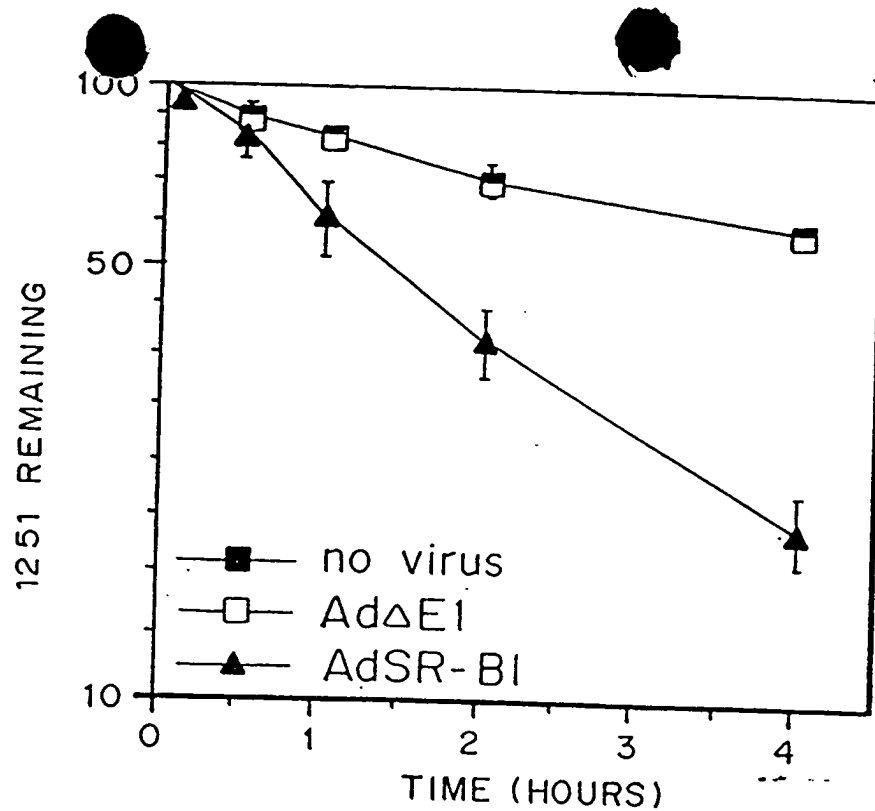


FIG. 2

Mutagenesis Strategy

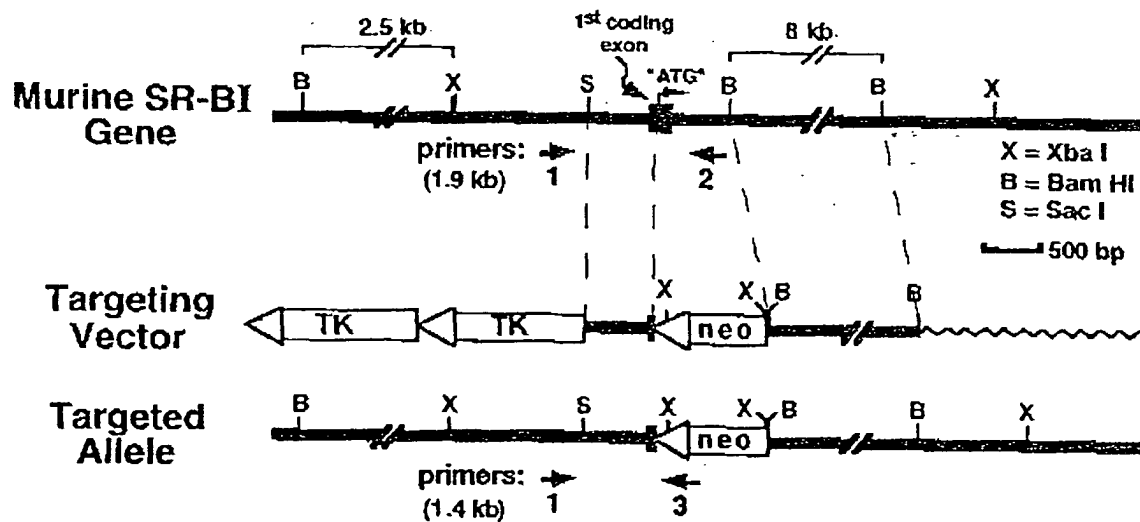


FIG. 3

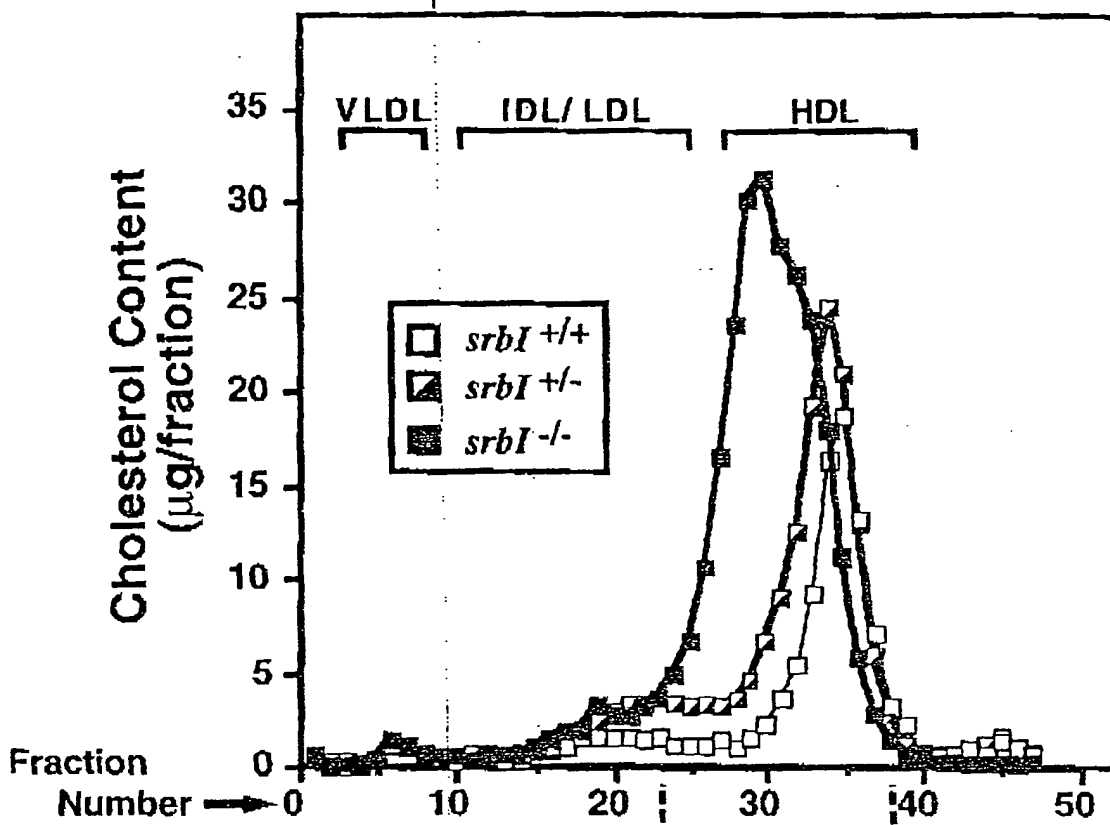


FIG. 4

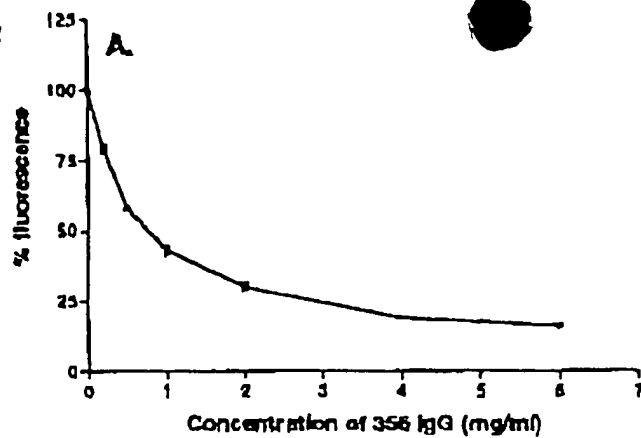


FIG. 5a

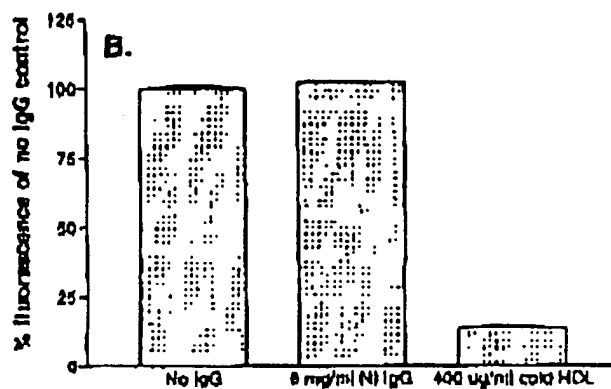


FIG. 5b

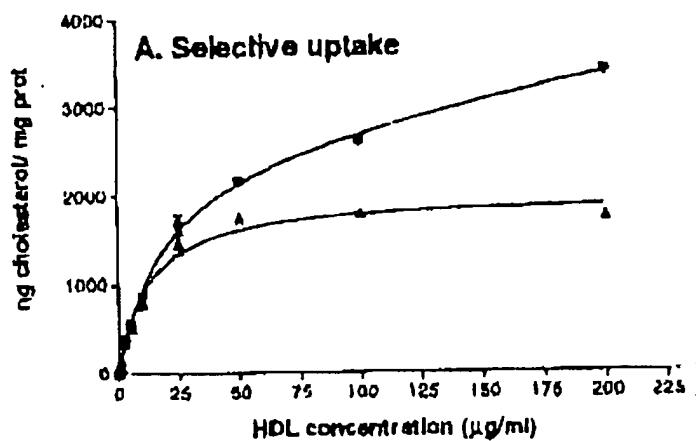


FIG. 6a

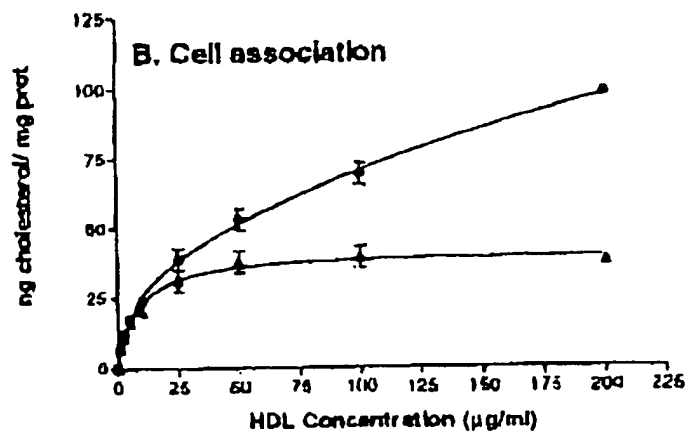


FIG. 6b

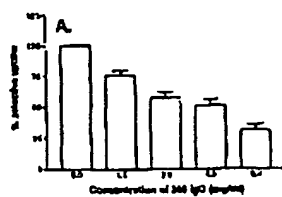


FIG. 7a

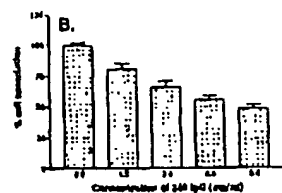


FIG. 7b

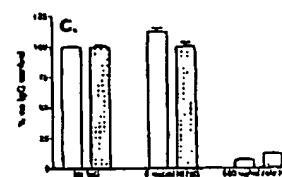


FIG. 7c

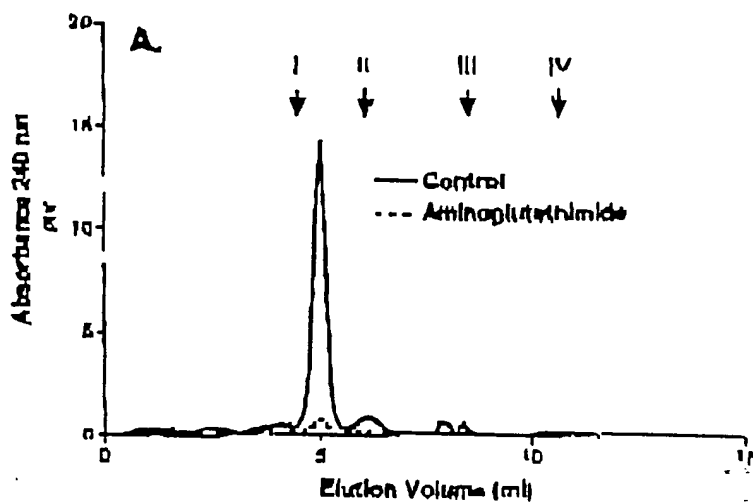


FIG. 8a

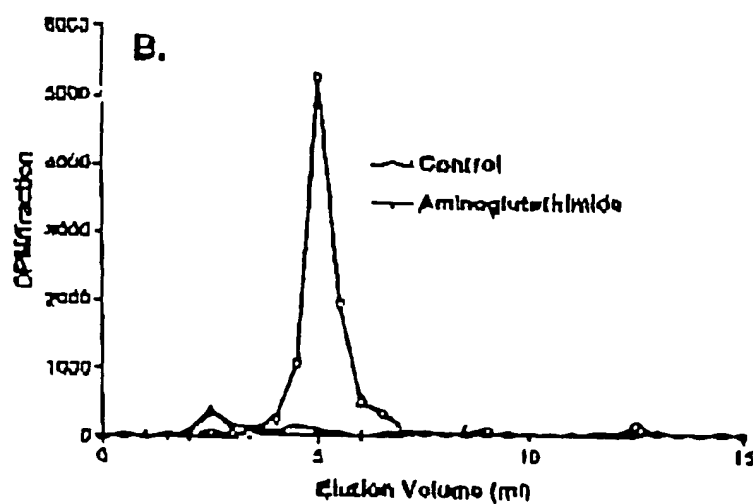


FIG. 8b